ZAKRZEUSKI JANUSZ

POLAND / Chemical Technology. Chemical Products and Their Application. Water treatment. H-5 Sewage

Abs Jour : Ref. Zhur. - Khimiya, No 2, 1958, No 5068

: Glinicki Zdzislaw, Roman Marek, Zakrzewski Author

Janusz

Inst : Not Given

Title : Effect of Water Purification by the Method

of Contact Coagulation

Orig Pub : Gaz, woda, techn. sanit., 1956, 30, No 8,

305-309

Abstract : The theoretical foundations of contact coagu-

lation are considered. An account is given of the results of experiments, carried out in an

Card : 1/2

POLANDPROVED FOR RECEASES 809/1942001al PCD4-RDP86-0051BR001963620012-1 and Their Application. Water treatment. Sewage water

Abs Jour : Ref. Zhur. - Khimiya, No 2, 1958, No 5068

Abstract

experimental unit, on treatment of ground water containing up to 1.15 mg/liter of Fe (without coagulant and using Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>). On contact coagulation a better effect was achieved

than on bulk coagulation.

Card : 2/2

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POLAND / Chemical Technology. Chemical Products H-5 and Their Application. Water treatment. Sewage water

Abs Jour : Ref. Zhur. - Khimiya, No 2, 1958, No 5069

Abstract : action effecacy of individual layers of the filter (without and with the use of coagulant). It was found that participation of individual layers of the filter is unequal. Filtration must be effected from the bottom upwards, and the top layer must consist of the smallest particles.

Card : 2/2

MAZEWUA/ VAN

# APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963620012-1

PCLAND/Soil Science. Organic Fertilizers.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24774.

Author : Zakrzewski, Jan.

Inst :

Title : Agricultural Utilization of Urban Sediments and

Sewage.

Orig Pub: Gaz, woda, techn. sanit., 1957, 31, No 3, 82-86.

Abstract: Data is cited on the structure of deposits and their influence on the yield, according to data from the USSR and other countries. The atilization of the activated sediments dried during increased temperature is recommended, since it does not contain seeds of weeds and pathogenic germs and endures transpor-

tation for considerable distances.

Card : 1/1

# ZAKRZEWSKI, J.

"The use of irrigation apparatus widens in the world."

p. 525 (Gospodarka Wodna) Vol. 17, no. 11, Nov. 1957 Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

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Likery will, J.

"An Attor to the Subblinding the Encounting of American India the M., . . D., (Subblinding the Encounting of American India the M., . . D., (Subblinding the Encounting of American Foliate)

17: Monthly M. to the Conference of American Foliate)

18: Monthly M. to the Conference of American India the M., No. 5, Mr., 1955, Uncl.
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Monda ting Call Broad in by Manna of Perrosed Torrace Bitches, p. 306, (no Product Comm., Vol. 14, No. 9, Sept. 1954, Marca va, Folkari)

So: Monthly Hat of Stat European Accessions, (MMLL), 10, Vol. 4, No. 5, Nay 1955, Uncl.

ZAKRZEWSKI, J.

(HORYZONTY TECHNIKI, Vol. 6, No. 10, Oct. 1953, Warszawa, Poland) "Peat." p. 434

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

GAJEWSKI, W.; SUCHORZEWSKA, J.; VOTRUBA, M.F.; ZAKRZEWSKI, J.

The production of light mesonic hyperfragments and Li<sup>8</sup> fragrents from the interactions of K mesons of 1.3 and 1.5 GeV/c momenta. Acta physica Pol 27 no.2:329-334 F '65.

1. Institute of Experimental Physics of the Warsaw University and Institute of Nuclear Research, Warsaw (for Gajewski), Suchorzewska, Zakrzewski). 2. Institute of Physics of the Czechoslovak Academy of Sciences, Prague (for Votruba). Submitted June 18, 1964.

ZAKRZEWSKI, Jan, inz.

Feeding the signaling arrangements in stations. Przegl kolej elektrotech 10 [i.e. 15] no.10:290-293 0 '63.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963620012-1"

ZAKRZEWSKI, J. (Lodz)

A certain inference method in statistical quality control of textile products and intermediate products. Zastos mat 7

no.3:271-289 '64.

ZAKRZEWSKI, Jan, mgr inz.

Suggestion for dynamic methods of calculating electric meters. Pemiary 9 no.6:229-232 Je '63.

1. Instytut Elektrotechniki, Zaklad Automatyki i Miernictwa, Pracewnia Przyrsadow Masowych, Szchecin.

P/034/63/000/003/003/003 D201/D308

AUTHOR:

Zakrzewski, Jan, Master of Engineering

TITLE:

Electrostatic voltmeter design procedure

PERIODICAL:

Pomiary. Automatyka. Kontrola, no. 3, 1963, 109

TEXT: A short review and discussion is given of the article by G.K. Obram "Metodyka obliczeń weltomierzy elektrostatycznych z równomierną podziajką" (Linear Scale electrostatic voltmeter design procedure), which appeared in 1959 in "Prace Vszechzwiązkowego Naukowo-Badawczego Instytut Elektrycznych Przyrządów Pomiarowych", in which the author discusses the design of linear scale voltmeters having a variable active area of plane electrodes. The author states that the most valuable contribution of the article is the Chapter dealing with the determination of the linearizing parameter  $\Psi$  of the scale as used in the well-known Zalewski linearization formula  $\frac{ds}{d\alpha} = \frac{k}{\alpha + \Psi}$  and with the effect of the return spring res-

istance on the frequency error.

Card 1/1

ZAKRZEWSKI, Jan, inz.

Emergency feeding sets of signaling installations. Przegl kolej elektrotech 11 no.11:282-286 N '64.

的对此是不是一个人,这个人就是一个人,这个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个

POLAND

#### ZAKRZEWSKI, Janusz

Institute of Experimental Physics, Univ. of Warsaw (Instytut Fizyki Doswiadczalnej Uniwersytetu Warszawskiego)

Crakow, Postepy fizyki, No 5, Sept-Oct 1965, pp 525-543

"Discovery of heavy hypernuclei."

BARAN, Jozef; SEMKOWICZ, Andrzej; ZAKRZEWSKI, Jerzy

New system of the accelerated voltage stabilizer of the U-120 cyclotron. Nukleonika 7 no.11:737-740 162.

1. Instytut Fizyki Jadrowej, Pracownia Cyklotronu, Krakow.

SEMKOWICZ, Andrzej; SULIKOWSKI, Jerzy; SZOT, Waldemar; ZAKRZEWSKI, Jerzy Voltage stabilizer of the cyclotron deflector. Nukleonika 7 no.11:741-742 '62.

1. Instytut Fizyki Jadrowej, Polska Akademia Mauk, Krakow.

P/046/62/007/011/005/005 D256/D308

AUTHORS:

Semkowicz, Andrzej, Sulikowski, Jerzy, Szot, Walden

mar and Zakrzewski,

TITLE:

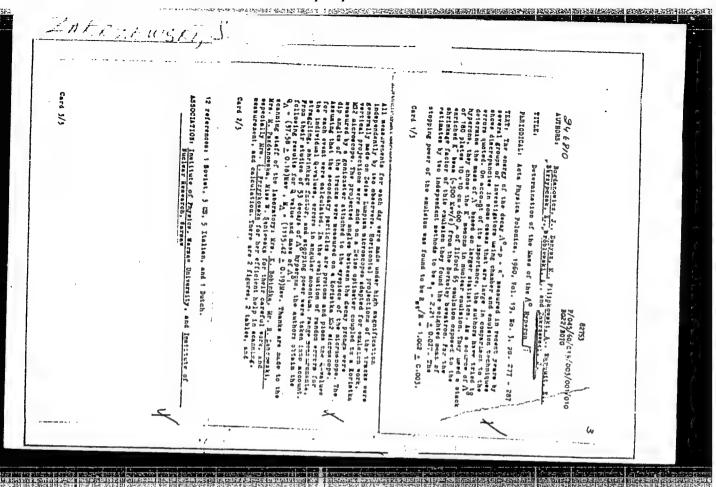
Cyclotron deflector voltage stabilizer

Mukleonika, v. 7, no. 11, 1962, 741-742

The original control system of the deflector voltage of the 120 cm Gracow cyclotron has been found unsatisfactory: as the PERIODICAL: system relied upon a variac transformer in the power supply of the rectifier, the voltage stability was inadequate and there was no means of smooth regulation of the voltage. An additional electronic stabilizer was installed producing 0 35 stability on the deflector means or smooth regulation of the voltage. In additional effections stabilizer was installed producing 0.3% stability on the deflector stabilizer was installed producing 0.3% stability on the deflector plate at 10% fluctuations of the power supply. The circuit consists of: 1) a Tesla MT9F regulator tube; 2) a comparator circuit in which a voltage obtained from a potential divider and proportional to the deflector voltage is compared with a reference voltage. deflector voltage is compared with a reference voltage; 3) a two stage d.c amplifier. The difference between the voltage derived from the potential divider and the reference voltage is amplified

Card 1/2

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# ZAKRZEWSKI, Janusz

Multinucleonic captures of K-mesons. Postepy fizyki no.4:405-417 160.

1. Instytut Fizyki Doswiadczalnej Uniwersytetu Warszawskiego, Warszawa.

## ZAKRZEWSKI, Juliusz

Probabilistic analysis of trichinoscopy. Wiadomosci parazyt. 8 no.1: 97-105 62.

1. Technical University of Lodz.

(TRICHINOSIS transm) (MEAT parasitol)

HARROUGHER KOMMENTEN BERKEINE BERKEINE BERKEINE DER BELEIN WEST GETE GERUNG MESCHEINE BERKEINE BERGEINE BERGEINE BER

ZAKRZEWSKI, J.

The utilization of waste water in the city of Memmingen. p. 394 (GAZ, WODA I TECHNIKA SANITARNA Vol. 30, No. 10 Oct. 1956 Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957

YURKOVSKIY, E.[Jurkowski, Edmund]; ZAKZHEVSKIY, Ye.[Zakrzewski, Jerzy];
BURICH, V. [translator]; SERIN, V.A., nauchnyy red.; BENEZOVSKAYA,
A.L., red.; NEATSLOVA, L.M., tekhn. red.; DORODNOVA, L.A., tekhn.
red.

[Furniture manufacture] Porizvodstvo mebeli. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1961. 335 p. (MIRA 14:12)

(Poland---Furniture industry)

ZAKEZETSKI J. 7 Oddzialu Zakaznego Panstwowego Szpitala sw. Lazarza w Krakowie. Smiertelnosc z duru brzusznego us szczepionych i nieszczepionych Mortality from typhoid fever in vaccinated and non-vaccinated cases Przeglad Lekarski, Cracow 1949, 5/18 (546-547) Tables 1

In 1947 and 1948 out of 169 patients, there were 122 persons vaccinated longer than two years previously or not vaccinated at all, and 47 vaccinated. In the non-vaccinated group eight persons died, in the vaccinated group, one.

Kezar - Gdansk (XX,  $\mu$ , 6, 7,)

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

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WEGHZYNOWSKA, K.; WESTRYCH, F.; ZAKRZWESKI, J.

Results of the treatment of pulmonary tuberculosis with Csala's method. Przegl. lek., Krakow 9 no.2:46-47 1953. (CIML 24:5)

1. Of the Surgical Department of the Third Internal Clinic (Head--Prof. Julian Aleksandrowicz, M.D.) of Krakow Medical Academy.

#### ZAKRZEWSKI, J.

A project for improving the calculations of measurement indicators in textile metrology. p.3

PRZEGLAD WLOKIENNICZY. (Stowarzyszenie Inzynierow i Technikow Przemyslu Wlokienniczego) Lodz, Poland. Vol.13, no.1, Jan. 1959

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.1, Jan. 1960 Uncl.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963620012-1"

#### ZAKRZEWSKI, J.

#### TECHNOLOGY

PERIODICAL: ARCHIWUM BUDOWY MASZYN Vol. 5, no. 4, 1958

ZAKRZEWSKI, J. An analysis of the tension and shape of thread during the work of ring, cap, and centrifugal spindles. p. 457.

Monthly List of East European Accessions (EEAI) LC, Vol 8, no. 4.

April 1959, Unclass

ZAKRZEWSKI, U.

Polish Technical Abst. No. 1 1954 Textile Leather and Paper Industries 274.1

677.21.03 : 677.021 : 69.011

<sup>4</sup> Zakraswiki J., Lene J. A New Method of Arranging Weft Blends of Cotton Waste.

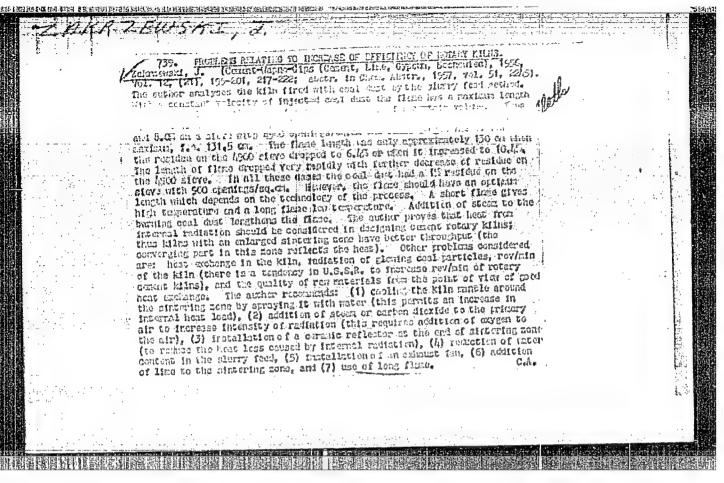
"Nowa metoda ostalania składow miecz nek na wątki odpadkowe" (Prace Inst. Włók. No. 3), Wanszawa, 1953, PWT, 10 pp. 5 figs., 21 tabi.

The method hitherto a topted for determining blends by fixing the percetage of each component pessesses numerous disadvantages. -tince, by giving no consideration to planning the waste pool and giving the composition of mixtures according to individual grades of waste, a made rational utilisation impossible. This used to result in frequent changes having to be made in blend recipes - a most burdencome procedure. The new method does not deal with the scores of waste grades but introduces the conception of waste groups, four in all. Spinnability was the chief consideration in arranging these groups. It is possible, by analysing them from this point of view, to substitute one grade for another of a similar spinning quality. The percentage of each waste group in a blend depends on analytical calculation. The requirite technical conditions are taken into considerablen by introducing coefficients corresponding to the groups. Waste pool and west production are planned according to the group basis fixed by the new method. The method wes tried on an industrial scale, technological experiments being made with three blends. A fourth, corresponding to former formulae, was carried out for the purpose of comparison. Laboratory tests of yarn, grey and finished cloth, fully substantiated the suitability of the new method. The three blends contained a similar percentage of waste groups, though the waste grades in each differed. The test results were almost identical and, generally speaking, more satisfactory than these carried out by the comparison method

ZAKRZEWSKI, J

"Parabolic approximation of the course of a harness frame." (To be contd.) p. 256 (Przemysl Włokienniczy, Vol. 7, No. 11/12., Nov./Dec., 1953, Lodz)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June. 1954, Uncl.



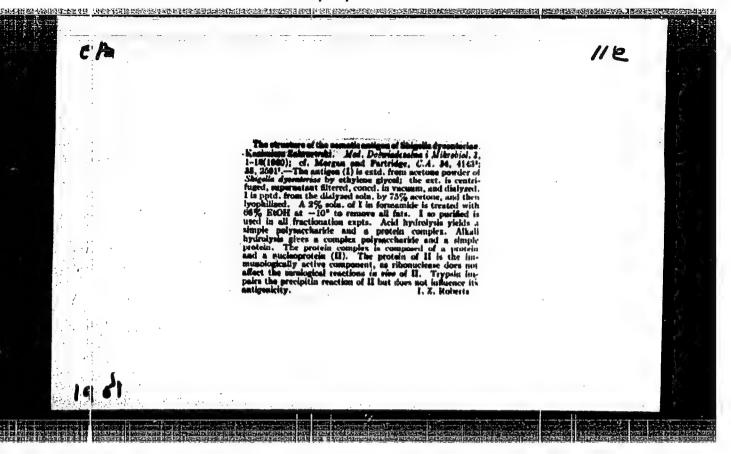
ENT(d)/FSS-2/ENT(m)/ENA(h) Pn-L P/ BOOK EXPLOITATION AH5000924 Zakrzewski, Jerzy The city in a nuclear war (Niasto w wojnie jadrowej) [Warsaw] Wydwo MON, [1964] 0327 p. illus., biblio. Errata slip inserted. 2000 copies printed. Series note: Biblioteka polskiej mysli wojskowej TOPIC TAGS: nuclear warfare, military tactics, warfare PURPOSE AND COVERAGE: This book is intended for the military reader as well as for civilians concerned with nuclear warfare. The book discusses nuclear and rocket warfare conducted in cities and industrial regions, including the effects of nuclear aggression, the purposes and means of nuclear and rocket warfare in such areas and regions, and some aspects of defensive and offensive operations there. There are 42 illustrations, numerous references in the text, and a bibliography.

TABLE OF CONTENTS (abridged)

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B. The principles der nuclear was	of combat o	perations_c	onducted in	ine city un-
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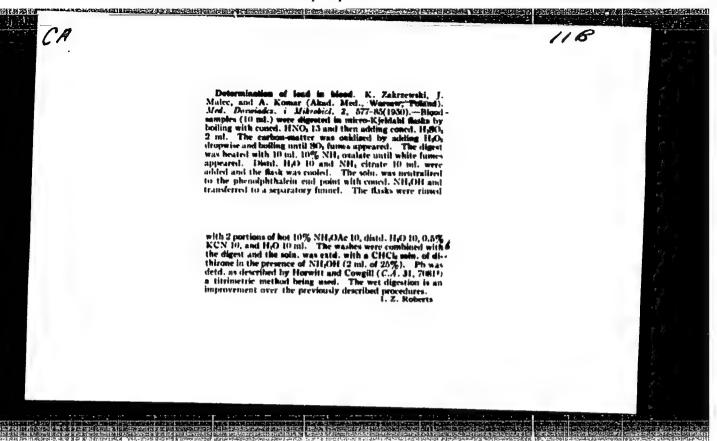


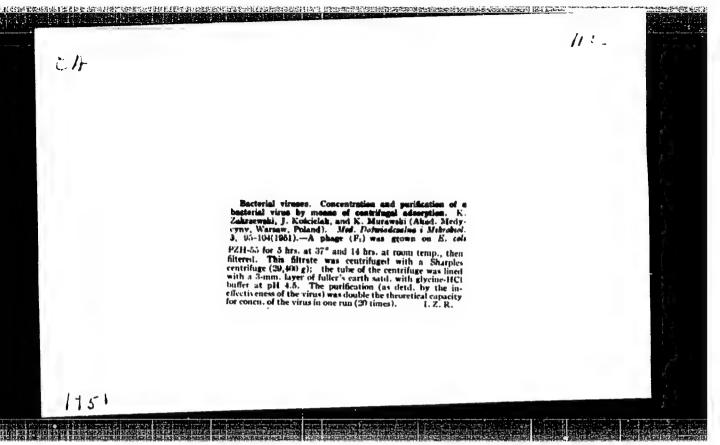
ZAKRZEWSKI, K.

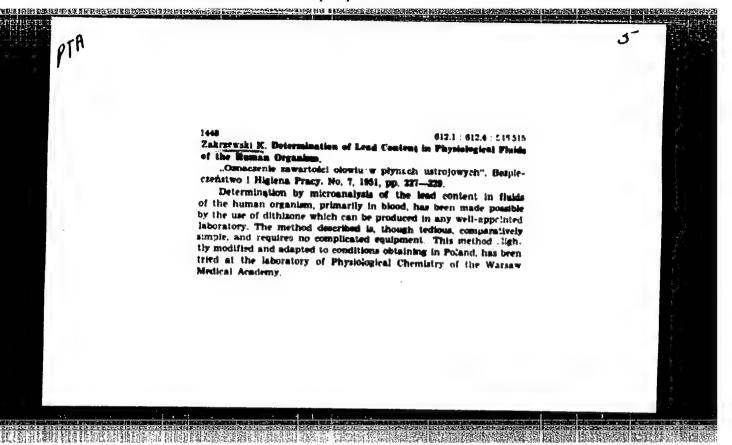
Structure of somatic antigen of Shigella shigas. Med.dosw.mikrob.
2 no.2:184-185 1950. (CIML 20:6)

1. Summary of the report given at 10th Congress of the Polish Microbiological and Spidemiological Society held in Gdansk, Sept.

1949. (Warsaw.)







ZAKHZEWSKI, K.; MAY, Z.; MALEG, J.; KRYSIAK, J.; KOWAISKI, E.; CETNAROWICZ, H.; KOPEC, W.; SZOTT, Z.; WOZNIEWSKA, M.

Proteins and ensymes in conserved blood. Acta physicl. polon 3 Suppl. 3: 236-237 1952. (CLML 24:1)

1. Of the Institute of Hematology (Director-Bocent A. Hamsman, M.D.) in Warsaw.

ZAKRZEWSKI, K. MAY, Z.

Biochemistry of preserved blood. I. Micro-molecular ketone bodies. Acta physiol. polon. 4 no.1-2:149-154 1953. (CIML 25:4)

1. Of the Institute of Hematology (Director--Docent A. Hausman, M.D.), Warsaw.

ZAKRZEWSKI K.

Krysiak, J., and Zakrzewski, K., Inst. hematol., Barszawa. \*Biochemia krwi konserwowanej. II. Zdolnosc wiazania tlenu i dwutlenku wegla. Biochemistry of stored blood. II. Oxygen and carbon dioxide binding capacity ACTA PHYSIOI. POLON. 1953, 1/1-2 (155-155) Graphs 4

The oxygen capacity of blood preserved with acid citrate dextrose with antiseptics added did not change during 2 months storage. The oxygen and carbon dioxide content diminished slightly along with the carbon dioxide binding power.

Wehr - Warsaw

ZAKRZEWSKI, K.: MALEC, J.

Biochemistry of preserved blood. II. Proteins. Acta physiol. polon. 4 no.3:237-243 1953. (CIML 25:5)

1. Of the Institute of Hematology (Director--Prof. A. Hausmann, M.D.), Warsaw.

ZAKRZKWSKI, K.; MURAWSKI, K.; KRYSIAK, J.

New method of determination of dextract in blood, urine, and tissue.

Acta physiol. polon. 4 no.3:253-257 1953. (CIML 25:5)

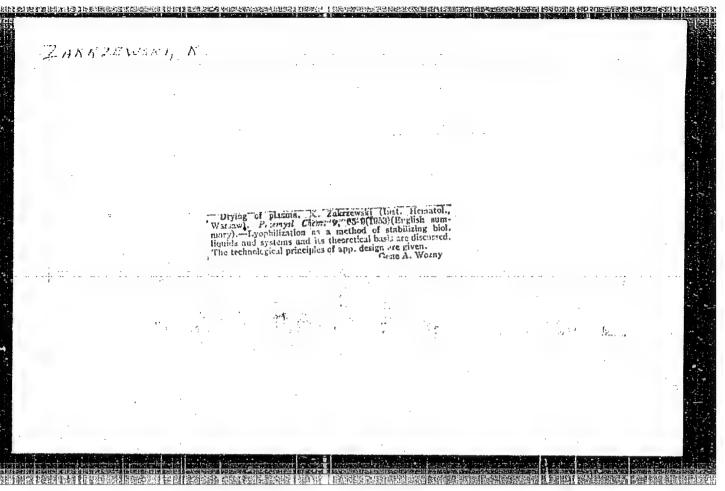
1. Of the Division of Biochemistry of the Institute of Hematology (Director--Prof. A. Hausmann, W.D.), Warsaw.

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ZAKRZEWSKI, K.

New method of condensation of bacterial viruses. Med. dosw. mikrob., Warsz, 4 no. 3:385 1952. (CIML 23:3)

1. Summary of work progress presented at 11th Congress of Polish Microbiologists held in Krakow may 1951. 2. Warsaw.



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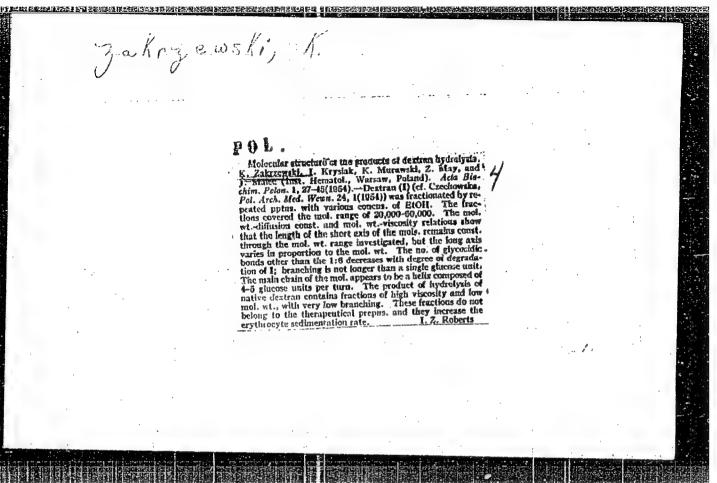
4695. ZAKREWSKI K. \* Preparatyka eczyszczonych frakcji bialkowych osocza ludzkiege. \* Method of preparation of purified protein fractions of human plasma POL.ARCH.MED. WEWNET. 1953. 23/6a (1003-1012) Graphs 1 Tables 2

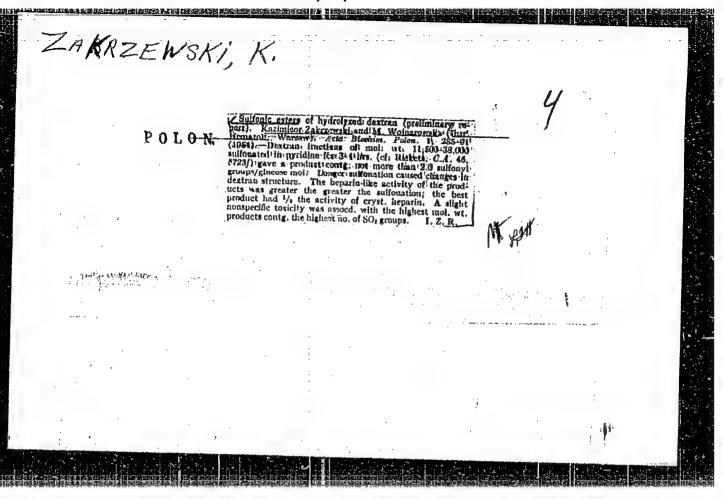
A general survey of clinical problems related to the individual plasma protein fractions. The theoretical basis of present views on plasma fractionation is discussed and extensive reference is made to possible clinical applications.

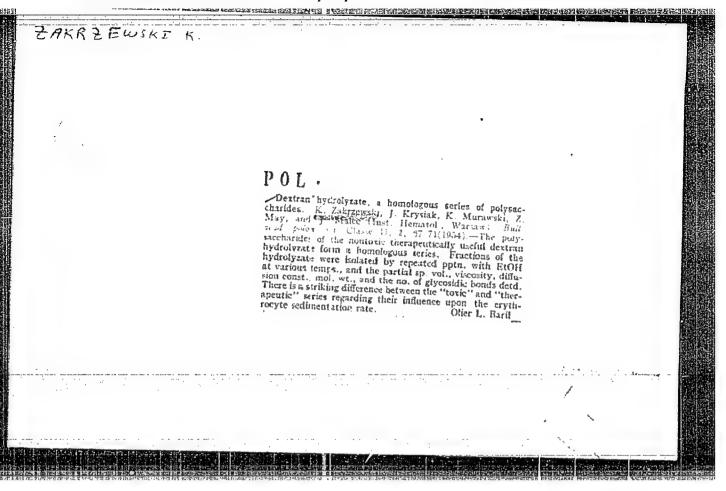
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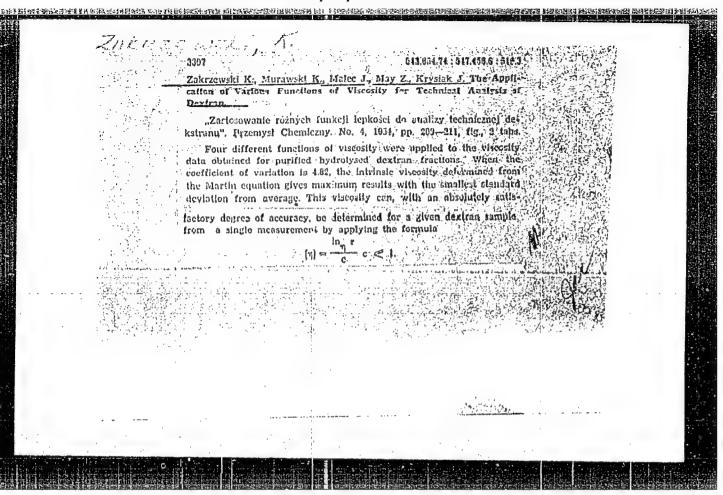
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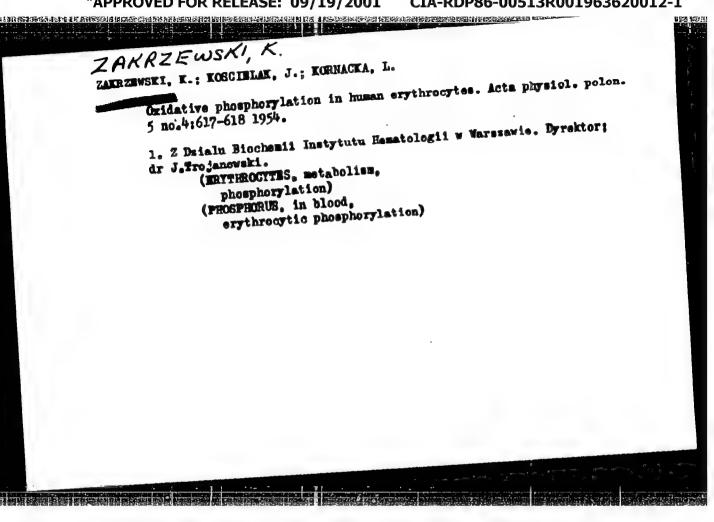
SO: Excerpta Medica, Section II, Vol 7, No 9











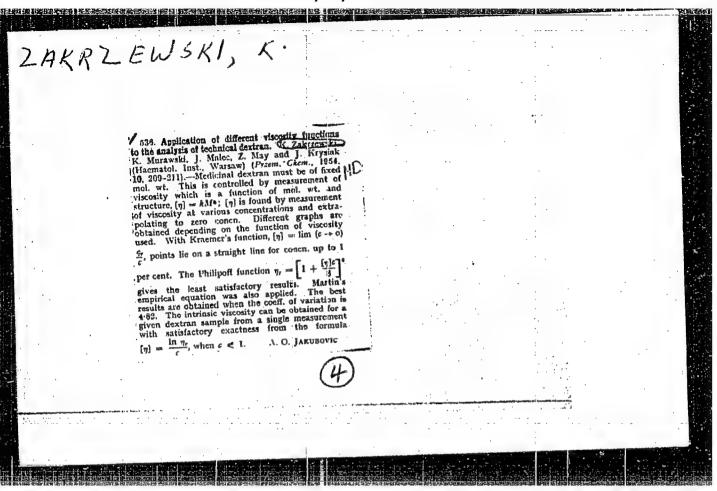
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GAWECKA, I.; VENULET, J.; WOJNAROWSKA, M.; ZAKRZEWSKI, K.

Sufonated dextran with heparin-like action. Acta physiol. polon.
5 no.4:646-649 1954.

1. Z Instytutu Hematologii w Warszawie. Dyrektor; dr. I.Trojanowski.
Z Instytutu Lekow w Warszawie. Dyrektor; prof. dr P.Kubikowski.
(DEXTRAN,
sulfone-treated prep., heparin-like eff.)
(SULFOHBS, effects,
on dextran, heparin-like eff. of sulfonated dextran)



GZECHOWSKA, Zofia; DUBROWSKI, Jerzy; HAUSHAN, Artur; KOSTRZEWSKA, Ewa; KRYSIAK, Janina; MURAWSKI, Krzysztof; PANASEWICS, Jozef. ZAKRZEWSKI, Kazimierz

Poliglukan, partially hydrolyzed dextran solution with anti-shock action. Polskie arch. med. wewnetrs. 24 no.1:1-17 1954.

1. Z instytutu Hematologii a Warszawie, kierownik. Dzialu Biochemii Instytutu Hematologii: dr K. Zakrzewski, Pyrektor Instytutu: doc. dr A. Hausman.

(NEXTRAN,
hydrolysed solution, ther. of shock)
(SHOCK, therapy,
dextran hydrolysed solution)

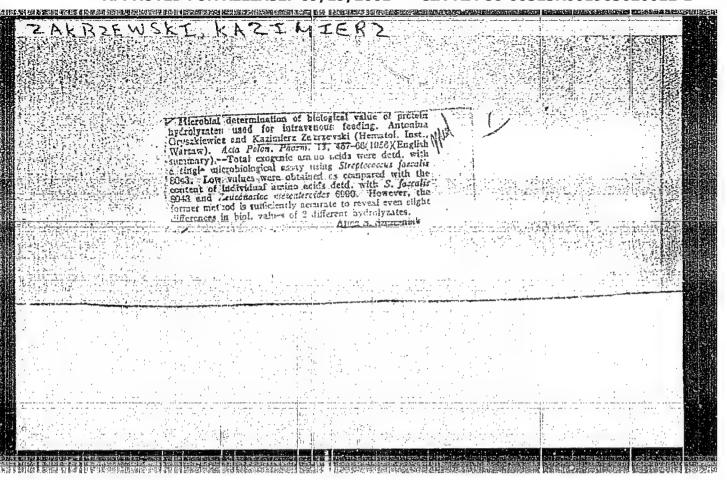
KOSZIELAK, J.; MAY, Z; ZAKRZEWSKI, K.

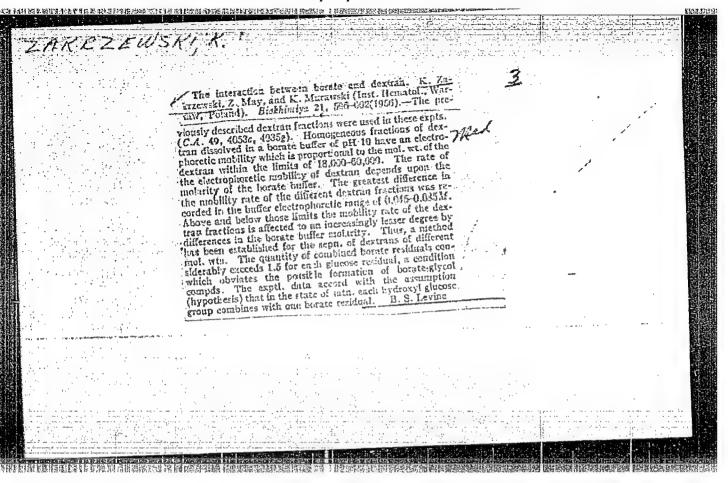
Value of gamma globulin (immunoglobulin of the Warsaw Institute of Hematology) in prevention of measles). Pediat.polska 30 no.2:175-180 Feb 155.

1. Z Dzialu Biochemii Instytutu Hematologii w Warszawie.

Kierownik Instytutu: dr med. A. Trojanowski. Warszawa, Chocimska 5.

(GAMMA GLOBULIN, therapeutic use measles prev.) (MEASLES, PREVENTION AND CONTROL gamma globulin)





ZHKKZt W JK!, A.; ZAKRZEWSKI, K.

Isolation and studies of properties of anylase in human serum. Acta physiol. polon. 8 no.3:345-346 1957.

1. Z Zakladu Biochemii Klinicanej Instytutu Hematologii w Warssawie.

Kierownik: doc. dr K. Zakrzewski.

(ANYIASE, in blood isolation & properties in human serum (Pol))

EARTH Lewish . It

KOSCIBIAK, J.; ZAKRZEWSKI, K.

Substance A from the crythrocytes. Acta physiol, polon. 8 no.3:
388-389 1957.

1. Z Zakladu Biochemii Klinicznej Instytutu Hematologii w Warszawie Kierownik: doc. dr K. Zakrzewski.

(BLOOD GROUPS.

substance A in crythrocytes (Pol))

(ENTHROCTES.,
blood group substance A (Pol))

KRAUZE, R.; NAINSKI, K.; ZAKRZEMSKI, K.

Fractionation of serum with zinc and aluminum ions in isolation of gamma globulin. I. Interaction of zinc ions with serum proteins.

Acta physiol. polon. 8 no.3:397-399 1957.

1. Z Laboratorium Technologicznego Zarzadu Wytworni Surowic i Szczepionek w Warszawie.

(CHMA GLOBULIN, determination, fractionation with zinc ions (Pol))

(ZING,
fractionation in isolation of gamma globulin (Pol))

KRAUZE, R.; NAIMSKI, K.; ZAKRZEWSKI, K.

Fractionation of serum with zinc and aluminum in isolation of gamma globulin. Acta physiol. polon. 8 no.3:399-400 1957.

1. Z Laboratorium Technologicznego Zarzadu Wytworni Surowic i Szcsepionek w Warszawie.

(ALUMINUM.

fractionation in isolation of gamma globulin (Pol))

(GAMMA GIOBULIN, determination.

fractionation with aluminum ions (Pol))

MAY, Z.; ZAKRZEWSKI, K.

Electrophoretic characteristics of therapeutic dextran preparations, Acta physiol. polon. 8 no.3:453-455 1957.

1. Z Zakladu Biochemii Instytutu Hematologii w Warszawie Kierownik Zakladu: doc. dr K. Zakrzewski Ryrektor Instytutu: doc. dr A. Trojanowski. (DEXTRAN, determination, electrophoresis (Pol))

。 1975年,1978年,1978年,1978年1978年(1978年) 1978年 19

MURAWSKI, K.; ZAKRZEWSKI, K.

Studies on the application of globin solution as an anti-mock agent. Acta physiol. polon. 8 no.3:472-473 1957.

1. Z Zakladu Biochemii Klinicznej Instytutu Hematologii w Warszawie. Dyrektor Instytutu: doc. dr A. Trojanowski.

(HEMOGLOBIN,
globin solution, eff. on exper. shock (Pol))
(SHOCK, experimental,
eff. of globin solution (Pol))

ZAKRZEWSKI, K.; MALEC, J.; BAIASIEWICZ, W.

Phosphorus turnover in leukocytes in vitro. Acta physiol. polon. 8 no.3:577-578 1957.

1. Z Zakladu Biochemii Klinicznej Instytutu Hematologii W Warszawie Kierownik: dp. doc. dr K. Zakrzewski.

(PHOSPHORUS, in blood.

leukocytes, turnover in vitro (Pol)) (LEUKOCYTES, metabolism,

phosphorus turnover in vitro (Pol))

K. ZAKRZE/SKI, J. M.LEC, "Survival of Human Circulatory Leucucytes in vitro:
Life-Span and Nucleic Acid Turnover," Nature, Vol. 180, No. 4585, London,
14. Sep 57, pp. 551-552. Published from the department of Biochemistry,
Institute of Nematology, Narsaw.

MURAVSKIY, K. [Muravski, K.]; ZakSHEVSKIY, K. [Zakrzevski, K.]

Production and certain chemical and pharmacological properties of esterified human globin [with summary in Inglish]. Biokhimiia 22 no.51789-793 8-0 '57. (MIRA 11:1)

1. Otdeleniye biokhimii Instituta gematologii, Varshava. (GLOBINS)

POLAND/Solid State Physics - Mechanical Properties.

E

Abs Jour : Ref Zhur Fizika, No 9, 1959, 20352

Author

: Gabyszewska, B., Zakrzewski, M.

Inst Title

: The Problem of Fracture in Hydrostatic Compression

Orig Pub : Przegl. mech., 1958, 17, No 2, 54-57

Abstract

: No abstract.

Card 1/1

## ZAKRZEWSKI, Kasimiers

Compensative treatment of disorders of water-electrolyte metabolism. Polskie arch.med. wewn. 28 no.4:489-498 1958.

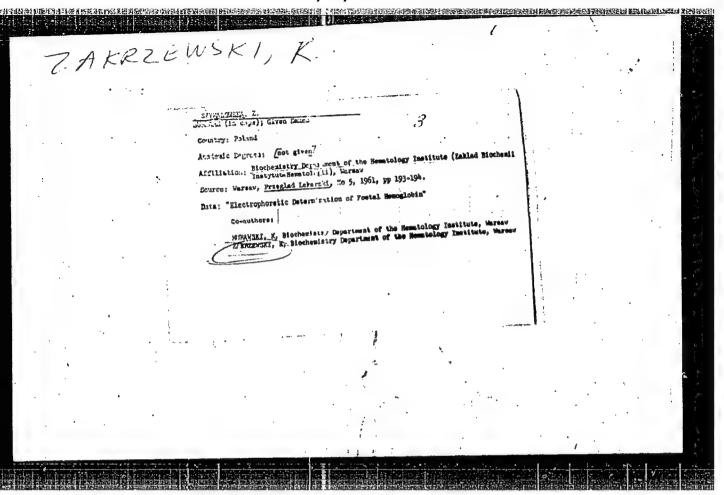
1. Z Instytutu Hematologii w Warszawie Dyrektor: doc dr med. A. Trojanowski. Adres autora: Warszawa, ul. Chocimska 5- Inst. Hematologii. (BODY FIUID BALANCE,

disordr., compensative ther. (Pol))

POSZWINSKI, P.; ZAKRZEWSKI, K.; MAY, Zofia

Prevention of thermal denaturation of serum albumin by sodium caprylate. Acta biochim.polon. 7 no.2/3:115-126 60.

1. Dział Preparatow Krwiopochodnych i Zakład Biochemii Instytutu Hematologii w Warszawie. (CAPRYLATES pharmacol) (SERUM ALBUMIE chem)



KRAUZE, R.; NAIMSKI, K. [deceased]; ZAKRZEWSKI, K.

Isolation of  $\gamma$ -globulins by means of sine and aluminium salts. Acta biochim. polon. 8 no.2:209-217 '61.

1. The Research Laboratory, Serum and Vaccine Production Board, and The Department of Biochemistry, Institute of Haematology, Warsaw. (GAMMA GLOBULIN chem)

HORODKO, Janina; MIKIEWICZ, Barbara; NAIMSKI, Krzysztof [deceased]; ZAKRZEWSKI, Kazimierz

Effect of potassium and sodium ions on the synthesis of diphtheria toxin. Acta microbiol. pol. 10 no.2:141-146 '61.

1. Z Centralnego Laboratorium Zjednoczenia Wytworni Surowic i Szczepionek "Biomed" w Warszawie.

(POTASSIUM pharmacol) (SODIUM pharmacol) (CORYNEBACTERIUM DIPHTHERIAE pharmacol) (TOXINS AND ANTITOXINS)

HORODKO, Janina; KRASSOWSKA, Ligia; NAIMSKI, Krzysztof [deceased]; ZAKRZEWSKI, Kazimierz

Continuous cultivation of Salmonella typhi for the production of anti-typhoid vaccines. Acta microbiol. pol. 10 no.4:351-369 '61.

1. Z Centralnego Laboratorium Zjednoczenia Wytworni Surowic i Szczepionek "Biomed" w Warstawie. (SALMONELLA TYPHOSA culture) (VACCINES)

KAKOWSKA-LIPINSKA, Izabela; NAIMSKI, Krzysztof [deceased]; SIENKIEWICZ, Irena; ZAKRZEWSKI, Kazimierz

Isolation of immune globulins from sera of hyperimmunized animals with the aid of zinc ion fractionation, Med.dosw.mikrob. 13 no.4:363-376 <sup>1</sup>61.

1. Z Centralnego Laboratorium Zjednoczenia Wytworni Surowic i Szczepionek "Biomed" w Warszawie.

(SERUM GLOBULINS chem)

BALASIEWICZ, Wanda; PAWELSKI, Slawomir; WOLOSEWICZ, Halina; ZAKRZEWSKI, Kazimierz

Distribution of radioactive phosphorus in the erythrocytes and bone marrow cells during the course of therapy of polycythemia vera.

I. Intra-oral administration of P32. Polski tygod. lek. 16 no.14: 510-514 3 Ap 161.

1. Z Dzialu Biochemii; kierownik: doc. dr med. K. Zakrzewski i z Oddzialu Hematologicznego; kierownik: dr med. S. Pawelski - Instytutu Hematologii; dyrektor: doc. dr med. A. Trojanowski.

> (POLYCITHEMIA VERA radiother) (PHOSPHORUS radioactive) (ERYTHROCYTES chem) (BONE MARROW chem)

MISZCZAK\_LOCH, T.; MURAWSKI, K.; ZAKRZEWSKI, K.

Haptoglobin types in Poland. Folia biol 10 no.3/4:321 '62.

1. Institute of Nuclear Investigations, Polish Academy of Sciences, Warsaw.

KOSCIELAK, J.; GROCHOWSKA, E.; ZAKRZEWSKI, K.

The influence of purification on the activity of blood group factor A from human erythrocytes. Postepy blochem. 8 no.4:584-585 '62.

1. Z Instytutu im. Listera w Londynie i Instytutu Hematologii w Warszawie.

(BLOOD GROUPS) (ERYTHROCYTES)

### ROWINSKI, Bogdan; ZAKRZEWSKI, Konstanty

Diagnosis and therapy of women with recognized erosions based upon comparative cysto-histological studies. Gim. polska 32 mo.4s477-490 61.

1. Z Przychodni Ginekologicznej i Oddzialu Polozniczo-Ginekologicznego Szpitala Miejskiego w Rybniku Kierownik Przychodni i Ordynator Oddzialus dr B. Rowinski (GERVIX UTERI dis)

s/081/63/000/002/055/088 B171/B102

Rościszewski, Paweł, Zakrzewski, Leoh, Zieliński, Witold

Direct synthesis of alkyl chlorosilanes AUTHORS:

Referativnyy zhurnal. Khimiya, no. 2, 1963, 404-405, abstract 2N43 (Polish patent 44883, Sept. 21, 1961) TITLE: , PERIODICAL:

TEXT: Alkyl chlorosilines are prepared from Si and RCl (R-alkyl) on a Cu catalvat (CT) at 250-4000c. In certain methods of synthesis. TEXT: Alkyl chlorosilines are prepared from 51 and ROI (R-RIKYL) on a Cu catalyst (CT) at 250-400°C. In certain methods of synthesis, R3SiCl, besides the most valuable R2SiCl2 other compounds such as RSiCl3, R3SiCl,

RSiHCl<sub>2</sub>, R<sub>4</sub>Si, SiHCl<sub>3</sub>, SiCl<sub>4</sub> and traces of some aliphatic hydrocarbons also are separated from the reaction mixture. The Cu-CT may activate the pyrolysis of RCl. The importance of these side reactions can be reduced by supplying RCl without excess and at a rate depending on operating conditions, such as: the activity of the reacting solid phase (Si and Cu): the temperature and contest conditions of the reacting solid phase operating conditions, such as: the activity of the reacting solid phase (Si and Cu); the temperature and contact conditions of the gaseous and solid phases, i.e. the fineness of the contact mass; the speed and method of stirring, the design and dimensions of the reactor and so or method of stirring; the design and dimensions of the reactor, and so on.

Card 1/4

S/U81/63/0UU/002/U55/088 B171/B102

Direct synthesis of alkyl ...

The pyrolysis of RCl occurs when the rate of its supply in the reaction zone exceeds a certain optimum value depending on the conditions of operation. According to the present patent, the rate of supply of RCl is modified when the activity of the contact mass and other parameters, such as temperature, are changed. The reaction is started by supplying RCl at a low rate, which is gradually increased as the rate of reaction increases and is then decreased toward the end of the process. It is possible to obtain a practically constant content of R2SiCl2 (40-70%) in the reaction products by regulating the rate of supply of RCl in order to ensure that the H2- content in uncondensable waste gases (not counting the unreacted RCl) is < 25%, that the content of CH<sub>4</sub> and of other hydrocarbons is \$50%, and that the total quantity of waste gases is <20% of RC1 supplied. Under a constant load of 53 1/hr per 1 kg of Cu-CT, the yield of R2SiCl2 decreases during the reaction (25-110 hrs) from  $\sim$  24 to  $\sim$  5%. When the proposed method is applied, the yield of R2SiCl2 is maintained during a period of 45-220 hrs at an almost constant value: 54-58%. This is achieved by the use of a CT load of 16 l/hr per Card 2/4

# "APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620012-1

8/081/63/000/002/055/098 B171/B102 1 kg Cu during 45-70 hrs, of 25 1/hr per 1 kg Cu during 70-180 hrs, and Direct synthesis of alkyl ... of 16 1/hr per 1 kg Cu during 180-220 hrs. 250 g of a mixture, containing 85% of technically pure Si and 15% of Cu-powder are agglomerated at 1100°C in an atmosphere of H2, ground in a mortar, sieved through mesh openings of 0.09 mm, and poured into a horizontal glass reactor (RT), 100 cm long and having a diameter of 36 mm. The RT is heated to 270°C and the contact maps is dried during a hor in a stresshere of u. ou of the contact maps is dried during a hor in a stresshere of u. ou of the contact maps is dried during a hor in a stresshere of u. 100 cm long and naving a diameter of 30 mm. The at is neared to 240 cm and the contact mass is dried during 5 hrs in an atmosphere of N2. CH3Cl is passed through the RT during 16 hrs at the rate of 35 mi/min, then is passed through the Ar during to his at the rate of 1) min, and the process is discontinued.

The areducts are rater cooled and the unreacted on cl is generated in a during to are at the rate of open and the unreacted CHzCl is separated in a condenser immersed in a cooling mixture at -70°C. The uncondensable gases escape at the rate of 3-5 ml/min, then at the rate of 10-12 ml/min which corresponds to 15-19d of CU Cl guantied who wester gases contain which corresponds to 15-18% of CH3Cl supplied. The waste gases contain ~25% of water, ~45% of CH<sub>4</sub> and of other hydrocarbone, and 25% of CH<sub>3</sub>Cl. The content of (CH3)2SiCl2 in the reacting mass is 67% after 64 hrs, with 10% of (CH ) SiCl and od of CH SiCl and 69% after 94 hrs with 10% of (CH3) Sicl and 9% of CH3Sicl3, and 69% after 94 hrs, with 4% of card 3/4

Direct synthesis of alkyl ...

S/081/63/000/002/055/088 B171/B102

(CH3)3 SiCl and 10% of CH3 SiCl3. The authors give an example of a similar reaction carried out in a steel RT. [Abstracter's note: Complete

Card 4/4

SADOWSKA, Wanda; ZAKRZEWSKI, Lech; FEJGIN, Jerzy

Stabilization of polyformaldehyde. Pt. 1. Przem chem 41 nc.1:40-43 Ja 162.

1. Instytut Tworzyw Sztucznych, Warszawa

S/191/60/000/005/016/020 B004/B064

AUTHORS:

Feigin, E., Zakrzewski, L. (People's Republic of Poland)

TITLE:

Methods of Rating Some Properties of Polyformaldehyde

PERIODICAL: Plasticheskiye massy, 1960, No. 5, pp. 60-63

5. 电影性的音乐点音器 化电影电影 医外线性性连续性病 医动脉肠丛丛

TEXT: The authors describe simple methods of determining the properties of polyformaldehyde, a polymer not marketed until 1959: 1) The thermal stability is determined by measuring the loss in weight of a weighed portion in a nitrogen current at given temperature and time of heating. A weighed portion of 0.45-0.60 g, a temperature of (210 ± 0.6) C, a velocity of the nitrogen current of 2-3 m/sec, three times weighing at intervals of 10 minutes, and calculation of the mean value K of the weight loss proved to be optimum. 2) The intrinsic viscosity was determined by the Ubbelohde

viscosimeter at concentrations of the polyformaldehyde solution in dimethyl formamide of 0.5 g/100 ml, dissolution occurred at 150°C, and the viscosity was measured at 140°C. The intrinsic viscosity [7] is calculated by the equation of Huggins with the constant being equal to 0.72. 3) Fusibility

Card 1/2

Methods of Rating Some Properties of Polyformaldehyde

S/191/60/000/005/016/020 B004/B064

was determined at  $190^{\circ}$ C with a plastometer. The amount a of polymer pressed out of the plastometer in one minute is weighed. The coefficient of fusibility T is found to be T = a·10. Technically pure polyformaldehyde should have the following values:  $K_{\rm m} < 0.8$ ,  $[\eta] = 0.4 - 2.0$ , T = 4 - 30. The authors established a relationship between  $[\eta]$  and T (at low  $[\eta]$ , T rises). There is, however, no relationship between  $[\eta]$  and  $K_{\rm m}$ . In samples with high  $[\eta]$ ,  $K_{\rm m}$  was frequently found to be low. There are 1 figure, 7 tables, and 10 non-Soviet references.

Card 2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963620012-1"

P/014/60/039/008/002/002 A224/A026

AUTHORS:

Tomaszewicz, Maria, Feigin, Jerzy, and Zakrsewski, Lech

TITLE:

Polymerization Study of Gaseous Formaldehyde to Macromolecular Pro-

ducts

PERIODICAL: Przemysł Chemiczny, 1960, Vol. 39, No. 8, pp. 509-513

TEXT: The polymerization processing of gaseous formaldehyde (CH2O) into macromolecular products is studied in order to determine the optimum conditions for preparing macromolecular polymers, which after an additional thermal stabilization would be suitable for further processing by shot or extrusion-molding methods. Experiments are conducted with the setup shown on page 510 and the results are compiled in 7 tables. Based on these experimental results, the authors determine the following optimum parameters for the polymerization process: 1) source of gaseous formaldehyde: &-polyoxymethylene; 2) process medium: extraction benzine II; 3) initiator: p-dimethylaminobenzaldehyde in the amount of 0.01 % of the polymer mass; 4) stabilizer: diphenylamine in the amount of about 0.04 % of the polymer mass; 5) temperature: about 20°C; and 6) decomposition rate of &-polyoxymethylene: 1 g/min. There are 7 tables, 1 fi-

Card 1/2

P/014/60/039/008/002/002 A224/A026

Polymerization Study of Gaseous Formaldyhyde to Macromolecular Products

gure and 24 references: 18 English and 6 Polish.

ASSOCIATION: Instytut Tworzyw Sztucznych, Warszawa (Institut of Plastics, Wars-

zawa)

SUBMITTED: March 5, 1960

Card 2/2

TOMASZEWICZ, Maria; FEJOIN, Jerzy; ZAKRZEWSKI, Loch

Studies on the polymerization of gaseous formaldehyde to high-molecular products. Przem chem 39 no.8:509-513 Ag 160.

1. Instytut Tworzyw Sztucznych, Warszawa -

SADOWSKA, Wanda; ZAKRZEWSKI, Lech; FEJGIN, Jerzy

Stabilization of polyformaldehyde. Pt. 1. Przem chem 41 no.1:
40-43 Ja '62.

ZAKRZEWSKI, Marek; POREBSKI, Tadeusz

Research on certain nonsimusoidal spectra of fatigue stresses. Rozpr inz PAN 10 no.3:430-441 \*62.

l. Politechnika, Wroclaw.

ZAKRZEWSKI, Marek, doc. dr. inz.; POREBSKI, Tadeusz, dr. inz.

The pulsator for fatigue strength testing at biharmonic stress spectra. Pomiary 8 no.7:314-317 Jl '62.

1. Politechnika, Wroclaw.

### P/006/62/010/003/001/006 D237/D308

AUTHORS':

Zakrzewski, Marek and Porębski, Tadeusz

TITLE:

Investigation of certain non-sinusoidal spectra of

fatigue loads

PERIODICAL:

Rozprawy inżynierskie, v. 10, no. 3, 1962, 431-440

The authors investigated the influence of the duration of tensile and compressive stresses in a fatigue load cycle on the fatigue strength. Four different load spectra, two harmonic and two biharmonic differing from each other by the relative duration of the compressive and tensile loads in the load cycle were applied to identical brass test-pieces by means of a fatigue pulsator, developed at the Laboratorium Wytrzymalości Materialow (Strength of Materials Laboratory) of the Wroczaw Polytechnic. The applied stresses were chosen so as to result in a fatigue rupture after 105 - 106 cycles. It was found that the number of cycles applied to the sample before the rupture occurred was nearly inversely proportional to the relative duration of the tensile load. The authors

Gard 1/2

Investigation of certain ..

P/006/62/010/003/001/006 D237/D308

conclude that tensile stresses play a decisive part in the metal fatigue processes and that their duration should be recognized as yet another factor influencing metal fatigue. There are 6 figures and 1 table.

ASSOCIATION:

Politechnika Wroczawska (Wroczaw Polytechnic)

SUBMITTED:

September 30, 1961

Card 2/2

ZAKRZEWSKI, Marek, prof.dr inz.; POREBSKI, Tadeusz, dr inz.

Contemporary methods of determining the fatigue durability in nonsinusoidal spectra of fatigue stresses. Przegl mech 21 no.17:517-521 10 S 162.

1. Politechnika, Wroclaw.

3/123/62/000/021/001/002 A006/A101

AUTHOR:

Zakrzewski, M

TITLE:

On the breakdown of bonds in materials during the fatigue process

PERIODICAL:

Referativnyy zhurnal, Mashinostroyeniye; no. 21, 1962, 13, abstract 21A69 ("Ermuedungsfestigk. Werkstoffen und Bauelement. Vortr. Warschauer Tagung 12. - 14. Mai 1960", Warszawa, 1961, 133 - 134, Ger-

The author reviews a report delivered at the Conference on fatigue in Warsaw, in May 1960. In this paper the basic concepts of the theory of fatigue failure were expounded. This theory is based on an analogy between the phenomena of melting and breakdown of bonds in the material caused by the effect of mechanical stresses. According to this theory, the strength of the material can be described by the following formula:

 $c_0 = \frac{GE}{30 - E} \int_0^{T_m} dT,$ 

where  $\sigma_0$  is the critical stress in manifold uniform extension, E and G are moduli Card 1/2

On the breakdown of bonds in...

S/123/62/000/021/001/002 A006/A101

of elasticity,  $\alpha_{\text{t}}$  is the linear coefficient of thermal expansion,  $T_{\text{m}}$  is the melting point of the material.

A. Usov

[Abstracter's note: Complete translation]

Card 2/2

P/034/62/000/007/002/003 D265/D308

AUTHORS:

Zakrzewski, Marek, Docent, Doctor of Engineering and Porebski, Tadeusz, Doctor of Engineering

TITLE:

Construction of a pulsator for the investigation of fatigue endurance in bi-harmonic stress spectra

PERIODICAL:

Pomiary, automatyka, kontrola no. 7, 1962, 314-317

TEXT: The principle of the pulsator developed at the Laboratorium Wytrzymalości Materiaków Politechniki Wrocławskiej (Strength of Materials Laboratory of the Wrocław Polytechnic Institute) is based on two sets of rotating masses. Two equal masses of each set rotate at constant angular velocities in opposite directions eliminating thus horizontal components of their centrifugal forces. Each set of masses has contal components of their centrifugal forces. Each set of masses has different constant speed providing thus bi-harmonic stresses in the apacimen under test. The construction is shown in Fig. 3, where 1 - gear box, 2 - driving gear box, 3 and 4 - large and small revolving discs box, 2 - driving gear box, 3 and 4 - large and small revolving discs

Card 1/0 7

Construction of a pulsator ...

P/034/62/000/007/002/003 D265/D308

chronous motor, 8 - clutch to eliminate gear blacklash. The test specimens, oscillographs and the measuring equipment recording the speed and stresses during the tests are described. Experimental results obtained are stated to be accurate within 2 - 3 % as compared with those calculated by analytical methods. There are 9 figures.

ASSOCIATION:

Politechnika Wrocławska (Polytechnic Institute of Wrocław)

Card 2/1 2

ZAKRZEWSKI MAREK

TECHNOLOGY

ZAKRZEWSKI, MARSK. Hipoteza zlomu kruchego. Wroclaw, (Panstwowe Wydawn. Naukowe) 1958. 92 p. (Wroclawskie Towarzystwo Naukowe. Prace, Weria B, nr. 94) (Hypothesis concerning conditions of parting rupture. English summary illus., bibl., footnotes, graphs, tables)

Vol. 103, no. 1, Jan. 1959

Monthly Index of East European Accessions (EMAI) LC. Vol. 7, No. 12, Dec. '58

BOWKIEWICZ, Janusz; KLAMUT, Marian; ZAKRZEWSKI, Mieczyslaw; ZALUSKA, Jozef

Automatic syringe for angiography. Pol. przegl. radiol. 29 no.4: 445-454 Jl-Ag 165.

1. Z Pracowni Rentgenodiagnostycznej Szpitala Bielanskiego w Warszawie (Kierownik: dr. med. J. Bowkiewicz).

P/014/62/041/001/004/004 D204/D304

AUTHORS: Sadowska, Wanda, Zakrzewski, Lech, and Fejgin, Jerzy

TITLE: Stabilization of polyformaldehyde (PFA), Part I.

PERIODICAL: Przemysł chemiczny, v. 41, no. 1, 1962, 40 - 43

TEXT: The object of this work was to compare the effect of a number of anti-oxidants on preventing the decomposition of PFA. 23 Commercial anti-oxidants, chiefly amines and phenols, were tried on acetylated PFA, by measuring (1) the thermal degradation coefficient, k, defined as the percentage loss in weight per minute on heating at 210°C and (2) the reduced viscosity, at 140°C. Ubbelonde's viscometer was employed for the latter tests, on solutions containing 0.5 g PFA in 100 ml of solvent (dimethyl formamide + 0.5 % diphenylamine). Measured quantities of stabilizers were added to the PFA which was then treated according to ASTM D 1238-52 T and tested as above. It was found that the most effective stabilizers were the aryl derivatives of naphthylamine and p-diphenyl diamine and several alkylated phenols. Organic sulphides showed no stabili-

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P/014/62/041/001/004/004 D204/D304

Stabilization of polyformaldehyde ...

zing effects. Additional investigations, using the most promising stabilizers at 210°C, showed that the optimum concentrations were: anti-oxidant 4010 - 0.5 %, Nonox WSP - 1.0 %, anti-oxidant AH -0.25 %, Topanol A - 2.0 %, Nonox EX - 2.0 %, Age Rite Resin D - 0.5%. Antioxidant AH

is therefore thought to be the best. Further research on the stabilization of PFA will be carried out using mixtures of anti-oxidants and polyamides and determining the induction period before decomposition. There are 5 tables and 16 references: 3 Soviet-bloc and 13 non-Soviet-bloc. The 4 most recent references to the English and 13 non-Soviet-bloc. The 4 most recent references to the English -language publications read as follows: U.S. Patent 2,893,972 (1959) U.S. Pat. 2,936,298 (1960); Brit. Pat. 835,841 (1960); Brit. Pat. 854,278 (1960).

Instytut tworzyw sztucznych (Synthetic Materials In-ASSOCIATION: stitute)

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